

ABSTRACT OF THE DISCLOSURE

An apparatus and method of managing a virtual private network having a set of network devices maintains a network device memory set for storing a set of network device identifiers that identifies each of the set of network devices. More particularly, a request to join the virtual private network is received from a given network device having a given network device identifier that identifies the given network device. The set of network device identifiers then is retrieved from the network device memory set to identify all network devices in the set of network devices. A notify message then is forwarded to each of the set of network devices, and a join message is forwarded to the given network device. The notify message includes the given network device identifier, while the join message includes the set of network device identifiers. The given network device identifier then is stored in the network device memory set.